

MAMMALS OF THE SUYDAM CUTTING SIKKIM EXPEDITION.¹

BY

COLIN CAMPBELL SANBORN.

Locality.....Sikkim and Bengal Terai.

Date.....October 1930 to June 1931.

Collected by.....H. Stevens and V. S. La Personne.

Through the generosity of Mr. C. Suydam Cutting of New York City, Field Museum of Natural History of Chicago has received a large collection of mammals, birds, and reptiles obtained by the well-known collector, Mr. Herbert Stevens, in Bengal Terai and Sikkim.

The mammal collection contains 412 specimens representing 57 species and 43 genera. This material is supplementary to the collections listed in the Bombay Natural History Society's reports No. 23 Sikkim, No. 26 Darjiling, No. 27 Bhotan Duars, and No. 28 Kalimpong. Collections were made at points not here-to-fore visited, and the following species of special interest were collected: *Anurosorex assamensis*, *Martes toufæus*, *Canis laniger*, *Belomys pearsoni* and *Lepus oistolus*.

The work was begun on October 9, 1930 at Haldibari and terminated on June 25, 1931 at Lachung. During part of the time Mr. Stevens had the assistance of Mr. V. S. La Personne who carried on the work after Mr. Stevens was called away the last of April.

COLLECTING STATIONS.

Cooch Behar, Haldibari	...	Oct. 9-19, 1930.
Bengal, Sivok	...	Oct. 22-Nov. 17.
„ Mangpu	...	Nov. 23-28.
„ Sangsir	...	
„ Mangpu	}	Dec. 31, 1930-Jan. 21, 1931.
„ Tarkhola	„	
Sikkim, Lingtam	...	Jan. 23-Feb. 28.
„ Rongli	„	
„ Sedonchen	„	March and April.
„ Gnatong	„	
„ Jeluk	„	
„ Dikchu	...	May 2.
„ Toong	...	May 4.
„ Chungtang	...	May 5-9.
„ Lachen	...	May 12-14.
„ Thangu	...	May 17-28.
„ Gyagong	„	
„ Lachung	„	June 4-25.
„ Ghora-la	„	

(1) **Macaca mulatta**, Zimm.

The Rhesus.

For synonymy see Hinton and Wroughton, *J. B. N. H. S.*, Vol. 27, p. 668.
♂ 1, Sivok; ♂ 1, ♀ im. 1, Mangpu.

¹ Published by permission of the Director, Field Museum of Natural History, Chicago, Illinois, U.S.A.

(2) **Macaca assamensis**, McCl.*The Himalayan Monkey.*For synonymy see Hinton and Wroughton, *J. B. N. H. S.*, Vol. 27, p. 669.
♀ 1, Sangsir; ♀ 1, Tarkhola; ♂ 1, ♀ 2, Lingtam.(3) **Pithecius schistaceus**, Hodgs.*The Himalayan Langur.*

(Synonymy in No. 15.)

♂ 1, ♀ 1, juv. 1, Lingtam; ♀ 1, ♀ juv. 1, Lachung; ♀ 1, Lachen.

(4) **Cynopterus sphinx sphinx**, Vahl.*The Southern Short-nosed Fruit Bat.*

(Synonymy in No. 6.)

♀ 1, Sivok.

(5) **Lyroderma lyra lyra**, Geoff.*The Indian Vampire Bat.*

(Synonymy in No. 1.)

♂ 1, ♀ 3, Sivok.

(6) **Barbastella darjilingensis**, Horsf.*The Eastern Barbastel.*

(Synonymy in No. 26.)

♂ 1, in al., Mangpu.

(7) **Nyctalus labiatus**, Hodgs.*The Indian Noctule Bat.*

(Synonymy in No. 25.)

♀ 2, Lingtam.

(8) **Pipistrellus coromandra**, Gray.*The Coromandel Pipistrel.*

(Synonymy in No. 5.)

♂ 3, 2 in al., ♀ 6, 3 in al., Haldibari; ♂ 1, ♀ 2 in al., Mangpu.

(9) **Pipistrellus babu**, Thomas.*The Babu Pipistrel.*

(Synonymy in No. 26.)

♀ 2, 1 in al., Rongli.

(10) **Myotis sicarius**, Thos.*The Sikkim Myotis.*

(Synonymy in No. 26.)

♂ 1, in al. ♀ 2, Rongli.

(11) **Myotis caliginosus**, Tomes.*Tome's Whiskered Bat.*

(Synonymy in No. 23.)

♂ 1, Lachung; in al. ♂ 1, Jeluk,

(12) **Murina tubinaris**, Scully.*Scully's Tube-nosed Bat.*

(Synonymy in No. 25.)

♂ 1, Chungtang.

(13) **Tupaia belangeri Iepcha**, Thos.*The Sikkim Tree Shrew.*For synonymy see Fry, *J. B. N. H. S.*, Vol. 29, p. 90.

♂ 5, ♀ 4, Mangpu; ♀ 1, Sangsir.

(14) **Talpa micrura**, Hodgs.*The Short-tailed Mole.*

(Synonymy in No. 23.)

♂ 2, ♀ 2, Mangpu; ♂ 1, Jeluk; ♀ 1, Tarkhola.

(15) **Soriculus nigrescens**, Gray.*The Sikkim Brown-toothed Shrew.*

(Synonymy in No. 15.)

♂ 1, Lingtam.

(16) **Soriculus caudatus**, Horsf.*Hodgson's Brown-toothed Shrew.*

(Synonymy in No. 15.)

♂ 2, ♀ 1, Lingtam.

(17) **Suncus cæruleus giganteus**, Geoff.*The Giant Shrew.*For synonymy see Lindsay, *J. B. N. H. S.*, Vol. 33, p. 329.

♂ 3, ♀ 13, Haldibari.

(18) **Suncus soccatus**, Hodgs.*The Darjeeling Musk Shrew.*For synonymy see Lindsay, *J. B. N. H. S.*, Vol. 33, p. 332.

♂ 2, ♀ 1, Mangpu; ♀ 1, Sangsir; ♀ 3.

♀ 1, Lingtam; in al. 1, Rongli.

(19) **Crocidura** sp.

♂ 1, ♀ 1, Lingtam.

(20) **Anurosorex assamensis**, And.*The Assam Short-tailed Shrew.*1875. *Anurosorex assamensis*, Anderson, *A. M. N. H.*,

(4), Vol. 16, p. 282.

♀ 1, Lingtam.

The great size of this specimen seems to leave no other course than to call it *assamensis*. It measures total length 114 mm.; tail 17; hind foot 15. Skull: superior margin of foramen magnum to tip of premaxillæ 27.8 mm.; greatest length, including incisors 29.2; palatal length 13; mastoid width 15; upper tooth row 14.2.

(21) **Nectogale sikkimensis**, de Wint.

The Finger-tailed Water Shrew

(Synonymy in No. 23.)

♂ 1, ♀ 1, 1 (not sexed), Chungtang; ♂ 1, Lachen;
♂ 2, ♀ 1, Lachung.

(22) **Felis bengalensis**, Kerr.

The Leopard Cat.

(Synonymy in No. 11.)

♂ 1, ♀ 1, Lingtam.

(23) **Viverra zibetha zibetha**, L.

The Large Indian Civet

(Synonymy in No. 14.)

♂ 1, Sivok; ♂ 1, Rungpo; ♂ 1, ♂ im. 2, ♀ im., 1,
Mangpu.

(24) **Prionodon pardicolor**, Hodgs.

The Indian Tiger Civet.

(Synonymy in No. 23.)

1 (not sexed), Lingtam; ♀ 1, Sedonchen; ♂ 1, Jeluk.

(25) **Herpestes mungo mungo**, Gmel.

The Common Bengal Mongoose.

(Synonymy in No. 1.)

♂ 1, ♀ 2, Haldibari.

(26) **Herpestes urva**, Hodgs.

The Crab-eating Mongoose.

(Synonymy in No. 23.)

♀ 1, Sivok.

(27) **Canis indicus indicus**, Hodgs.

The Common Indian Jackal.

(Synonymy in No. 1.)

♂ 1, Mangpu; ♂ 1, Sivok.

(28) **Canis laniger**, Hodgs.

The Himalayan Wolf.

1835. *Lupus laniger*, Hodgs., *Calc. Journ. N. H.*,

Vol. 7, p. 474.

♂ 2, ♀ 1, Lachung.

(29) **Martes toufœus**, Hodgs.

The Tibetan Beech Marten.

Mustela? toufœus, Hodgson, *J. A. S. B.*, Vol.
11, p. 281.

♂ 1, Ghora-la, 17,000 ft.

(30) **Mustela subhemachalana**, Hodgs.*The Himalayan Weasel.*

(Synonymy in No. 23.)

♂ 1, Lingtam.

(31) **Mustela kathiah**, Hodgs.*The Yellow-bellied Weasel.*

(Synonymy in No. 15.)

♂ 1, Mangpu.

(32) **Lutra lutra nair**, F. Cuv.*The Common Otter.*

(Synonymy in No. 37.)

1 (not sexed, no skull), "Sikkim".

(33) **Petaurista nobilis**, Gray.*The Himalayan Flying Squirrel.*

(Synonymy in No. 23.)

♂ 1, 1 emb. in al., Jeluk.

(34) **Belomys pearsoni**, Gray.*The Hairy-footed Flying Squirrel.*1842. *Sciuropterus pearsonii*, Gray, A. M. N. H., Vol. 10, p. 263.

♀ 1, Mangpu.

I find no record of the Mammal Survey's having taken this squirrel so it must be quite scarce or very hard to catch.

(35) **Ratufa gigantea gigantea**, McCl.*The Assam Giant Squirrel.*

(Synonymy in No. 14.)

♂ 3, 1 (not sexed), Sivok; ♂ 4, ♀ 1, Sangsir; ♂ 1, ♀ 1, Tarkhola.

(36) **Dremomys lokriah lokriah**, Hodgs.*The Long-snouted Nepal Squirrel.*

(Synonymy in No. 23.)

♂ 6, ♀ 5, Jeluk; ♂ 1, Lachen.

(37) **Dremomys lokriah bhotia**, Wr.*The Long-snouted Bhootan Squirrel.*

(Synonymy in No. 23.)

♂ 6, ♀ 2, Chungtang; ♂ 1, Lachung.

(38) **Callosciurus crumpi**, Wr.*Crump's Squirrel.*

(Synonymy in No. 23.)

♂ 1, ♀ 3, Lingtam.

(39) **Tomeutes lokroides**, Hodgs.

The Hoary-bellied Himalayan Squirrel.

(Synonymy in No. 23.)

♀ 2, Sivok; ♂ 8, ♀ 9, Lingtam; ♂ 3, ♀ 1, Sangsir; ♂ 3, ♀ 4, 1 (not sexed), Mangpu; ♀ 1, Dikchu; ♀ 1, Toong.

(40) **Funambulus pennanti**, Wr.

The Common Five-striped Squirrel.

(Synonymy in No. 1.)

♂ 2, ♀ 6, Haldibari; ♀ 1, Sivok.

(41) **Tamiops maclellandi**, Horsf.

The Striped Himalayan Squirrel.

(Synonymy in No. 20.)

♂ 16, ♀ 17, Lingtam; ♀ 4, Chungtang.

(42) **Marmota himalayana** Hodgs.

The Tibet Marmot.

(Synonymy in No. 23.)

♂ 3, ♀ 1, Thangu; ♀ 2, Tibet-Sikkim border, above Thangu, 16,000 ft.; ♂ 1, Gyangong; ♀ 1, Ghora-la.

(43) **Gynomys bengalensis**, Gray and Hardw.

The Bengal Mole Rat.

(Synonymy in No. 19.)

♀ 1, Haldibari; ♀ 5, Mangpu.

(44) **Dacnomys millardi**, Thos.

The Large-toothed Giant Rat.

(Synonymy in No. 26.)

♀ 1, Mangpu.

(45) **Rattus nitidus**, Hodgs.

Hodgson's Gray-bellied Rat.

(Synonymy in No. 15.)

♂ 5, ♀ 2, Mangpu; ♂ 1, ♀ 4, Gnatong; ♂ 14, ♀ 19, Lingtam.

(46) **Rattus rattus sikkimensis**, Hinton.

The Sikkim Tree Rat.

1919. *Rattus rattus sikkimensis*, Hinton, J. B. N. H. S., Vol. 26, p. 394.

♀ 2, Haldibari; ♂ 4, ♀ 3, 1 (not sexed), Mangpu; ♂ 5, ♀ 7, Lingtam; ♀ 1, Tarkhola.

(47) **Rattus fulvescens**, Gray.

The Chestnut Rat.

(Synonymy in No. 15.)

♀ 2, Mangpu; ♂ 4, ♀ 6, Lingtam; ♂ 1, Chungtang.

(48) **Rattus eha**, Wr.*The Spectacled Rat.*

(Synonymy in No. 23.)

♂ 7, ♀ 3, Lachen.

In one specimen there is a small strip of pure white hairs in the centre of the chest.

(49) **Rattus flavipectus titsæ**, Hinton.*The Sikkim Rat.*1918. *Rattus rattus tistæ*, Hinton, *J. B. N. H. S.*, Vol. 26, p. 68.

♂ 1, ♀ 2, Haldibari; ♂ 1, ♀ 1, Sivok; ♂ 8, ♀ 12, Mangpu; ♀ 2, Sangsir; ♂ 1, Lingtam.

(50) **Mus homourus**, Hodgs.*The Himalayan House Mouse.*

(Synonymy in No. 15.)

♀ 1, Chungtang.

(51) **Leggada pahari**, Thos.*The Sikkim Hill Mouse.*1916. *Mus pahari*, Thomas, *J. B. N. H. S.*, Vol. 24, p. 414.1919. *Leggada pahari*, Thomas, *J. B. N. H. S.*, Vol. 26, p. 420.

♂ 1, ♀ 3, Lingtam.

(52) **Neodon sikkimensis**, Hodgson.*The Sikkim Vole.*1849. *Neodon sikkimensis*, A. M. N. H., (2), Vol. 3, p. 203.

♂ 3, ♀ 1, Lachen; ♂ 11, ♀ 3, Thangu.

(53) **Acanthion hodgsoni**, Gray.*The Crestless Himalayan Porcupine.*

(Synonymy in No. 27.)

♂ 1, ♀ 1, Mangpu.

(54) **Lepus ruficaudatus**, Geoff.*The Common Indian Hare.*

(Synonymy in No. 15.)

♂ 1, Munsong.

(55) **Lepus oiostolus**, Hodgs.*The Woolly Hare.*

(Synonymy in No. 37.)

♂ 1, Gyagong, 16,000 ft.

(56) **Ochotona sikimaria**, Thos.*The Sikkim Mouse Hare.*1922. *Ochotona sikimaria*, Thomas, A. M. N. H., (9), Vol. 9, p. 187.

♂ 1, ♀ 1, Gnatong; ♀ 2, Lachen; ♂ 3, ♀ 4, Thangu.

(57) **Ovis hodgsoni**, Blyth.*The Great Tibetan Sheep.*1840. *Ovis hodgsoni*, Blyth, *Proc. Zool. Soc. Lond.*, p. 65.

♀ 1, juv. 2, Sikkim, border of Tibet.

These specimens were taken by Mr. C. Suydam Cutting.